

PATENT SPECIFICATION

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(54) IMPROVEMENTS IN GUARDS FOR STAIRS OR OTHER PASSAGEWAYS

(71) We, HOPKINS & BUCKLAND LIMITED, a British Company, of Hanson Street, Middleton, County of Lancaster do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:

This invention relates to improvements in guards for stairs, doors or other passageways to prevent the passage of children of the type in which a gate supported on legs and formed by horizontal and vertical supporting rods or bars is mounted between the sides of the stairs, doors, or passageways.

The Specification of our prior Patent No. 1098518 claims a guard for stairs or other passageways comprising a gate supported by feet provided with suction pads or pads formed with serrated edges, spikes or other projections to engage the floor covering or ground, the ends of a horizontally disposed supporting rod or bar being formed cup shaped and having resilient pads or washers to give a firm hold on the sides of the stairway or passageway.

In the Specification of our prior Patent No. 1237557 there is described a further modification comprising a gate supported by legs which engage a tapered hole or aperture in the floor or in a foot plate affixed to the floor the lower end of the legs being tapered to enter the tapered hole or aperture in the floor or in the foot plate to prevent the lower end of the guard from being displaced and the gate also having a horizontally disposed supporting rod or bar the ends of which are of cup shape and have resilient pads or washers to give a firm hold on the sides of the stairway or passageway.

The invention comprises a stationary guard for stairs, doors or other passageways in the form of a gate of the type in

which the free ends of the legs of the guard engage in an upwardly opening channel of a channel member or members secured to the floor extending transversely of the passageway to prevent movement of the lower end of the guard at right angles to the channel member or members.

The invention will be described with reference to the accompanying drawings:—

Fig. 1 is a perspective view of a guard

Fig. 2 is a vertical section on line 2-2 Fig. 1.

A guard A is supported on legs *a* and formed of horizontal supporting and vertical rods or bars as described in Specification No. 1237557. The legs engage channel members B affixed to the floor at each side of the door, stairs or passageway or the channel member B may extend the whole width of the opening as shown in the drawing.

Each channel member B may be of extruded plastics material of substantially U shape *b* with flanges *b*¹ extending downwardly from the upper edges of the sides of the channel member to level with the base thereof and affixed to the floor by screws or the like passing through the base of the member.

Each channel member B is mounted transversely of the doorway or passageway and allow the legs *a* of the guard A a longitudinal movement in the channel during positioning of a supporting rod or bar *a*¹ by a lever *a*², the end of the rod or bar being of cup shape and carrying resilient pads *a*³ to give a firm hold on the sides of the stairway or passageway but preventing any movement of the legs and lower end of the guard transversely of the channels B i.e. in the direction of the stairway or passageway.

Alternatively a metal channel member may be employed.

The channel members B may be secured

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at each side of any of a plurality of doors or passageways as shown in dotted lines to enable the guard A to be moved from one door or passageway to another or as
5 shown in full lines a single channel member may extend the width of the opening.

The channel member B also serves as a retainer for the edges of two sections of carpet C or other floor coverings meeting
10 in the doorway.

WHAT WE CLAIM IS:—

1. A guard stationary guard for stairs, doors or other passageways in the form of
15 a gate of the type defined in which the free ends of the legs of the guard engage in an upwardly opening channel of a channel member or members secured to the floor

and extending transversely of the passageway to prevent movement of the lower
20 end of the guard at right angles to the channel member or members.

2. A guard for stairs, doors or other passageways as in Claim 1 in which the channel member is of substantially U
25 shape with flanges extending downwards from the upper edges of the sides to level with the base thereof.

3. A guard for stairs, doors or other passageways substantially as described with
30 reference to the accompanying drawings.

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COMPLETE SPECIFICATION

1 SHEET

This drawing is a reproduction of
the Original on a reduced scale

